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Numerical simulation of mecano-transduction in drosophila embryos. (Allena, R et al.)

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[Finite element modelling and simulations in cardiovascular mechanics and cardiology: A bibliography ...](#)

J Mackerle - Computer Methods in Biomechanics and Biomedical Engineering, 2006 - informaworld.com  
 ... has been one of the main concerns in finite element simulations. ... a list of published  
 papers dealing with FEM applied to cardiovascular mechanics and ...  
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 H Watanabe, S Sugura, H Kafuku, T Hisada - Biophysical Journal, 2004 - Biophysical Soc  
 ... Among these, many simulation studies have already been reported ... model, an arbitrary  
 Lagrangian Eulerian (ALE) finite element method (FEM) with automatic ...  
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[Numerical simulation of the blood flow in the human cardiovascular system](#)

M Žáček, E Krause - Journal of Biomechanics, 1996 - Elsevier  
 ... Finite element methods (FEMs) are com- monly used ... stenoses, bifurcations) can be  
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S Benker, G Engelbrecht, W Beckfrieder, G Berti, ... - Proceedings of PARCO2003 - users.eos.soton.ac.uk  
 ... simulation of the airways and cardiovascular system ... a basis for the following simulation  
 of the ... distraction process by an FEM (Finite Element Method) application ...  
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[Integrated Multi-domain Simulation System for Cardiovascular Dynamics Simulation](#)

Y NOBUAKI, T NISHI, A AMANO, Y ABE, Y ABE, T ... - Transactions of the Japanese Society for Medical and ..., 2006 -  
 sciencelinks.jp  
 ... of myocardial cells such as the finite element method (FEM ... to analyze various aspects  
 of cardiovascular dynamics ... However, since the FEM-based LV mechanical model ...  
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[Computational vascular fluid dynamics: problems, models and methods](#)

A Quarteroni, M Tuveri, A Veneziani - Computing and Visualization in Science, 2000 - Springer  
 ... models: due to the complexity of the cardiovascular system, a ... the use of unstructured  
 grids (in particular for Finite Element Method (FEM)), while the ...  
 Cited by 157 - [Related articles](#) - [Web Search](#) - [BI Direct](#)

[State of the art and the future of computational simulation for cardiovascular system](#)

T HISADA, S SUGIURA, H WATANABE - Tokyo Heart Journal, 2002 - sciencelinks.jp  
 ... the future of computational simulation for cardiovascular system ... An ALE finite element  
 method with automatic mesh ... and a static structural FEM code corresponding ...  
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[CITATION] [Plasticity as a Lifesaver in the Design of Cardiovascular Stents](#) Matthieu De Beule, Peter Mortier, ...

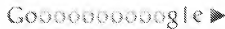
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A pulsatile suspension flow simulation in a stenosed vessel

BV RATHISH KUMAR, KB NAIDU - Mathematical and computer modelling, 1996 - cat.inist.fr

... UVP finite element method(FEM) and a ... Méthode élément fini; Finite element method;

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L. Petrini, F. Migliavacca, F. Auricchio, G. Dubini - Journal of Biomechanics, 2004 - Elsevier  
 ... & Sorensen, Inc., Pawtucket, RI, USA) based on the FEM ... properties influence the choice of stent for specific ... Cardiovascular and Interventional Radiology 23, pp ...  
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### Coronary Stent Strut Size Dependent Stress-Strain Response Investigated Using Micromechanical ...

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 ... Abstract—Cardiovascular stents are metal scaffolds that are ... relate stent expansion pressure to stent diameter ... Dumoulin and Cochein 5 used FEM to evaluate ...  
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### A predictive study of the mechanical behaviour of coronary stents by computer modelling

F. Migliavacca, L. Petrini, V. Montanari, I. Cuadras ... - Medical Engineering and Physics, 2005 - Elsevier  
 ... the corresponding area of the FEM model ... stenotic artery revascularization through a stent insertion, Comp ... al., Analysis of prolapse in cardiovascular stents: a ...  
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### Simulation and experimental observation of contact conditions between stents and artery models

K. Takashima, T. Kikui, K. Mori, K. Ikeda ... - Medical Engineering and Physics, 2007 - Elsevier  
 ... Analysis by the finite element method (FEM) was performed using ... The conditions for the FEM analysis are summarized ... four cases by combining two stent models and ...  
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### Finite element modelling and simulations in cardiovascular mechanics and cardiology: A bibliography ...

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 ... has been one of the main concerns in finite element simulations. ... a list of published papers dealing with FEM applied to cardiovascular mechanics and ...  
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### A general finite element analysis method for balloon expandable stents based on repeated unit cell ( ...

Z. Xia, F. Ju, K. Sasaki - Finite Elements in Analysis & Design, 2007 - Elsevier  
 ... The finite element method (FEM) has been ... mechanical properties (strains, stresses, deformation, stiffness and flexibility, etc.) in the stent deployment ...  
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### Finite element modeling of a progressively expanding shape memory stent

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### On the finite element modelling of balloon-expandable stents

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 ... In FEM analysis, they can be applied as nodal ... segment and the free ends of the stent can be ... of rotationally symmetrical and periodic boundary conditions in FEA. ...  
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### Stent expansion in curved vessel and their interactions: A finite element analysis

W. Wu, WQ Wang, CZ Yang, M. Qi - Journal of Biomechanics, 2007 - Elsevier  
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### Arterial-Line Monitoring System Simulation

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It seems that a satisfactory simulation of systolic and diastolic functions of the heart is possible. Presented simulations improve our understanding of the ...  
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by T Podnar - 2002 - [Cited by 10](#) - [Related articles](#) - [All 5 versions](#)

### Oscillometric non-invasive blood pressure simulator - US Patent ...

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### Systolic and Diastolic Function of the Heart: Proceedings of the ... - Google Books Result

by Neil B. Ingels, G. T. Daughters, J. Baan, J. W ... - 1996 - Medical - 445 pages  
2.6 Simulation These indices were first calculated for the normal circulation (systolic and diastolic ventricular interdependence plus the pericardium). ...  
books.google.com/books?isbn=9051992114. .

### Blood Pressure Monitoring - Fulltext: Volume 12(4) August 2007 p ...

2 The differences between the systolic and diastolic pressures recorded by the WelchAllyn

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[www.bpmmonitoring.com/pt/re/bpm/fulltext.00120097-200708000-00008.htm?sessionid...1](http://www.bpmmonitoring.com/pt/re/bpm/fulltext.00120097-200708000-00008.htm?sessionid...1) -

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